



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **65130** | Service: **DTV** | Call **WQCW** | Channel: **15 (UHF)** |  
ID: | Sign:  
File **0000028733**  
Number:  
FRN: **0018223693** | Date **10/07**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant                                | Address  | Phone                | Email                           | Applicant Type                  |
|--|--|----------------------|---------------------------------|---------------------------------|
| <b>GRAY TELEVISION<br/>LICENSEE, LLC</b> | WQCW<br>4370<br>PEACHTREE<br>ROAD, NE<br>ATLANTA, GA<br>30319<br>United States | +1 (202)<br>505-2401 | Robert.<br>Folliard@gray.<br>tv | Limited<br>Liability<br>Company |

## Reimbursement Contact Information

### Reimbursement Contact Name and Information

| Applicant      | Address | Phone | Email |
|----------------|---------|-------|-------|
| [Confidential] |         |       |       |

## Preparer Contact Information

### Preparer Contact Name and Information

| Applicant                              | Address   | Phone             | Email                  |
|--|---|-------------------|------------------------|
| <b>Samuel Hariton</b><br><i>Widely</i> | Samuel Hariton<br>4031 University Dr<br>Suite 100<br>Fairfax, VA 22030<br>United States | +1 (339) 222-8107 | sam.hariton@widely.com |

**Broadcaster  
Information  
and  
Transition  
Plan**

| Question   | Response   |
|--|--|
| Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information. | Yes  |
| Briefly describe transition plan   | WQCW will moving approximately a half mile to WSAZ's transmitter site and combining with WSAZ into broadband operations for both main and interim. |

**Transmitters**

| Section                      | Question                                  | Response |
|------------------------------|---|----------|
| Transmitter Related Expenses | Do you have transmitter related expenses? | Yes      |

**Primary  
Transmitter**

**Existing Transmitter Information**

| Section                                    | Question   | Response                 |
|--|--|--------------------------|
| Existing Transmitter Description           | Type of change   | Purchase<br>New          |
|  | Use  | Primary<br>(Main)        |
|  | Description of Use   | N/A                      |
|  | Ownership  | Owned                    |
|  | Owner  | N/A                      |
|  | Site   | N/A                      |
|  | Is this transmitter currently shared with another station? | No                       |
|  | Is this transmitter currently in operating condition?      | Yes                      |
| Existing Transmitter Manufacturer and Type | Manufacturer   |                          |
|  | Model  | Visionary<br>DT          |
|  | Year   | 2005                     |
|  | Type   | Inductive<br>Output Tube |
|  | IOT Power Type   | Two                      |
|  | Power Capacity   | 60 kW                    |

**Primary  
Transmitter**

**New Transmitter Costs**

| Section         | Question                                  | Response                                  |
|-----------------|---|---|
| New Transmitter | Use                                       | Primary<br>(Main)                         |
|                 | Change Type                               | Purchase<br>New                           |
|                 | Is this a request for upgraded equipment? | Yes                                       |
|                 | Manufacturer                              |   |
|                 | Model                                     | ULXTED-<br>100                            |
|                 | Transmitter Type                          | Solid State                               |
|                 | Solid State Cooling                       | Liquid<br>Cooled                          |
|                 | Solid State Power capacity                | 63.4 kW                                   |
|                 | Justification for New Transmitter         | Old<br>transmitter<br>is not<br>retunable |

**Primary  
Transmitter**

**Other Transmitter Costs**

| Section            | Question                              | Response    |
|--------------------|---------------------------------------|-------------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | Yes         |
|                    | Switchgear (industrial 800 amp)       | Yes         |
|                    | Transformer (480V)                    | No          |
|                    | Power                                 | N/A         |
|                    | Rigid Conduit and Wiring              | Yes         |
|                    | Size                                  | 4 inches    |
|                    | Length                                | 1000.0 feet |
|                    | Other Electrical Service              | No          |
|                    | Description                           | N/A         |

|  |   |          |
|--|---|----------|
| <b>HVAC Service</b>  | Does the replacement transmitter require HVAC Service?  | No       |
|  | Type  | N/A      |
|  | Size  | N/A      |
|  | Other Size  | N/A tons |
| <b>Transmitter Building Addition/Modification or Leasehold Improvement</b> | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No       |
|  | Size  | N/A      |
| <b>Channel 14 Costs</b>  | Is an RF Consulting Engineer needed?  | N/A      |
|  | Is a channel 14 Mask Filer needed?  | N/A      |
|  | Is additional field engineering time needed?  | N/A      |
|  | Number of Days  | N/A      |

**Primary Transmitter**

**Other Transmitter Cost Not Listed**

| Name                                    | Description  |
|---|--|
| <b>Transfer Switch</b>                  | Transfer Switch for the generator set                      |
| <b>Ice Bridge Building Interconnect</b> | Ice bridge between the analog and the digital buildings    |
| <b>Transmitter remote control</b>       | Burk Transmitter Remote                                    |
| <b>Ice Bridge Gen Set</b>               | Ice bridge for the previous site's generator set           |
| <b>Gen Set Pad</b>                      | Pad for the generator set                                  |
| <b>Pad for Heat Exchangers</b>          | Pad and ice shield for Heat Exchangers beside Existing PAD |
| <b>Move Gen Set</b>                     | Move the generator set from the previous site              |

**Interim  
Transmitter**

**New Transmitter Costs**

| Section         | Question                          | Response  |
|-----------------|-----------------------------------|---|
| New Transmitter | Use                               | Interim   |
|                 | Description of Use                | N/A   |
|                 | Change Type                       | Purchase  |
|                 | Manufacturer                      |   |
|                 | Model                             | ULXTE-30  |
|                 | Transmitter Type                  | Solid State   |
|                 | Solid State Cooling               | Liquid Cooled   |
|                 | Solid State Power capacity        | 19.2 kW   |
|                 | Justification for New Transmitter | Interim transmitter needed to continue broadcasting through transition period |

**Interim  
Transmitter**

**Other Transmitter Costs**

| Section            | Question                              | Response |
|--------------------|---------------------------------------|----------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No       |
|                    | Switchgear (industrial 800 amp)       | No       |
|                    | Transformer (480V)                    | No       |
|                    | Power                                 | N/A      |
|                    | Rigid Conduit and Wiring              | No       |
|                    | Size                                  | N/A      |
|                    | Length                                | N/A      |
|                    | Other Electrical Service              | Yes      |
|                    |                                       |          |

|  |   |   |
|--|---|---|
|  | Description   | The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors. |
| <b>HVAC Service</b>  | Does the replacement transmitter require HVAC Service?  | Yes   |
|  | Type  | Cooling Only  |
|  | Size  | 20 tons   |
|  | Other Size  | N/A   |
| <b>Transmitter Building Addition/Modification or Leasehold Improvement</b> | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No  |
|  | Size  | N/A   |
| <b>Channel 14 Costs</b>  | Is an RF Consulting Engineer needed?  | N/A   |
|  | Is a channel 14 Mask Filer needed?  | N/A   |
|  | Is additional field engineering time needed?  | N/A   |
|  | Number of Days  | N/A   |
| <b>Inside RF System</b>  | Is an additional interior RF system required to support this interim transmitter?             | No  |

**Interim  
Transmitter**

**Other Transmitter Cost Not Listed**

| Name       | Description  |
|------------|--|
| Ice Bridge | Ice bridge from the analog building to the tower (shared cost) |

**Antennas**

| Section                  | Question                              | Response |
|--------------------------|---------------------------------------|----------|
| Antenna Related Expenses | Do you have antenna related expenses? | Yes      |



**Primary  
Antenna**

**Existing Antenna Information**

| Section   | Question   | Response                |
|---|--|-------------------------|
| <b>Existing Antenna<br/>Description</b>           | Type of change   | Purchase<br>New         |
|   | Antenna Use  | Primary<br>(Main)       |
|   | Description of Use   | N/A                     |
|   | Ownership  | Leased                  |
|   | Owner  | Nexstar<br>Broadcasting |
|   | Site   | N/A                     |
|   | Is the existing antenna shared with another station or stations? | No                      |
|   | Is the existing antenna directional?                             | No                      |
|   | Is antenna in operating condition?                               | Yes                     |
|   | Is antenna located on or in close proximity to an antenna farm?  | No                      |
| <b>Existing Antenna<br/>Manufacturer and Type</b> | Class  | Full Power              |
|   | Mounting   | Top Mount               |
|   | Antenna position in stack  | Bottom                  |
|   | Polarization   | Horizontal              |
|   | Type   | Slotted<br>Coaxial      |
|   | Number of Stations Supported                                     | N/A                     |
|   | Number of Panels   | N/A                     |
|   | Design power capacity in use                                     | N/A                     |
|   | Lower Limit  | N/A                     |
|   | Upper Limit  | N/A                     |
|   | Other Antenna Type   | N/A                     |
|   | ERP: (Effective Radiated Power)<br>.....                         | 1000.0 kW               |

|              |                      |
|--------------|----------------------|
| Manufacturer |                      |
| Model        | TUE-05-12<br>/60 H-B |
| Year         | 2000                 |

**Primary  
Antenna**

**New Antenna Costs**

| Section                                       | Question   | Response           |
|---|--|--------------------|
| <b>New Antenna Description</b>                | Use  | Primary<br>(Main)  |
|   | Description of Use   | N/A                |
|   | Change Type  | Purchase<br>New    |
|   | Is this a request for upgraded equipment?                            | Yes                |
|   | Ownership  | Owned              |
|   | Owner  | N/A                |
|   | Is antenna shared?   | Yes                |
|   | Is antenna directional?  | No                 |
|   | Will antenna be located on or in close proximity to an antenna farm? | No                 |
| <b>New Antenna<br/>Manufacturer and Types</b> | Class  | Full Power         |
|   | Mounting   | Top Mount          |
|   | Antenna position in stack  | Not in Stack       |
|   | Polarization   | Elliptical         |
|   | Type   | Broadband<br>Panel |
|   | Number of Stations Supported   | 2                  |
|   | Number of Panels/Bays  | 64                 |
|   | Lower Limit  | 470.00 MHz         |
|   | Upper Limit  | 698.00 MHz         |
|   | Design power capacity in use   | 100.0 %            |
|   | Other Antenna Type   | N/A                |
|   | ERP: (Effective Radiated Power)<br>.....                             | 640.0 kW           |
|   | Manufacturer   |                    |
|   | Model  | PEPSIL60D          |

|  |                               |   |
|--|-------------------------------|---|
|  | Year                          | 2018  |
|  | Justification for New Antenna | This antenna will be shared between WQCW and WSAZ |

## Primary Antenna

### Other Antenna Costs

| Section                            | Question  | Response                  |
|------------------------------------|---|---------------------------|
| <b>Combiner for Shared Antenna</b> | Do you need a Combiner for a Shared Antenna?  | Yes                       |
|                                    | Type  | New                       |
|                                    | Number of channels supported  | 2                         |
|                                    | Frequencies of channels supported   | Upper and lower frequency |
|                                    | Frequency   | 470.0 MHz - 698.0 MHz     |
|                                    | Do you need a combiner output splitter /switcher for dual feed lines?                                       | No                        |
| <b>Elbow Complex</b>               | Do you require the separate purchase of the Elbow Complex?  | Yes                       |
|                                    | Broadband or Single Channel?  | Broadband                 |
|                                    | Feed Line Size  | 8 3/16 inches inches      |
| <b>Side Mount Brackets</b>         | Do you require the separate purchase of side mount brackets for a high power antenna?                       | No                        |
| <b>Pattern Scatter Analysis</b>    | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No                        |
| <b>Sweep Test</b>                  | Do you require the sweep testing of transmission line and antenna?  | Yes                       |

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Interim  
Antenna**

**New Antenna Costs**

| Section                                      | Question   | Response           |
|--|--|--------------------|
| <b>New Antenna Description</b>               | Use  | Interim            |
|  | Description of Use   | N/A                |
|  | Change Type  | Purchase<br>New    |
|  | Ownership  | Owned              |
|  | Owner  | N/A                |
|  | Is antenna shared?   | Yes                |
|  | Is antenna directional?  | No                 |
|  | Will antenna be located on or in close proximity to an antenna farm? | No                 |
| <b>New Antenna<br/>Manufacturer and Type</b> | Class  | Full Power         |
|  | Mounting   | Side Mount         |
|  | Antenna position in stack  | Not in Stack       |
|  | Polarization   | Horizontal         |
|  | Type   | Broadband<br>Panel |
|  | Number of Stations Supported   | 2                  |
|  | Number of Panels/Bays  | 2                  |
|  | Lower Limit  | 476.00 MHz         |
|  | Upper Limit  | 530.00 MHz         |
|  | Design power capacity in use   | 100.0 %            |
|  | Other Antenna Type   | N/A                |
|  | ERP: (Effective Radiated Power)<br>.....                             | 546.0 kW           |
|  | Manufacturer   |                    |
|  | Model  | SBB-24C170         |
|  | Year   | 2018               |
|  |  |                    |

Justification for New Antenna

Interim antenna shared between WQCW and WSAZ to continue broadcasting through the transition period.

**Interim  
Antenna**

**Other Antenna Costs**

| Section                            | Question  | Response                  |
|------------------------------------|---|---------------------------|
| <b>Combiner for Shared Antenna</b> | Do you need a Combiner for a Shared Antenna?  | Yes                       |
|                                    | Type  | New                       |
|                                    | Number of channels supported  | 2                         |
|                                    | Frequencies of channels supported   | Upper and lower frequency |
|                                    | Frequency   | 476.0 MHz - 530.0 MHz     |
|                                    | Do you need a combiner output splitter /switcher for dual feed lines?                                       | No                        |
| <b>Elbow Complex</b>               | Do you require the separate purchase of the Elbow Complex?  | Yes                       |
|                                    | Broadband or Single Channel?  | B                         |
|                                    | Feed Line Size  | 6 1/8 inches              |
| <b>Side Mount Brackets</b>         | Do you require the separate purchase of side mount brackets for an antenna?                                 | Yes                       |
| <b>Pattern Scatter Analysis</b>    | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No                        |
| <b>Sweep Test</b>                  | Do you require the sweep testing of transmission line and antenna?  | Yes                       |

**Interim  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.



**Transmission Line**

| Section                               | Question  | Response |
|---------------------------------------|---|----------|
| Transmission Line<br>Related Expenses | Do you have transmission line related expenses? | Yes      |

**Primary**  
**Transmission Line**

**Existing Transmission Line**

| Section   | Question   | Response                |
|---|--|-------------------------|
| <b>Existing Transmission Line Description</b>           | Type of change   | Purchase<br>New         |
|   | Use  | Primary<br>(Main)       |
|   | Description of Use   | N/A                     |
|   | Ownership  | Leased                  |
|   | Owner  | Nexstar<br>Broadcasting |
|   | Site   | N/A                     |
|   | Is the existing transmission line shared with another station or stations? | No                      |
|   | Is Transmission Line in operating condition?                               | Yes                     |
| <b>Existing Transmission Line Manufacturer and Type</b> | Manufacturer   |                         |
|   | Type   | Rigid                   |
|   | Diameter   | 7 3/16<br>inches        |
|   | Other Diameter   | N/A                     |
|   | Segment Length   | Broadband               |
|   | Other Segment Length   | N/A                     |
|   | Number of parallel runs  | 1                       |
|   | Length   | 1125 feet<br>per run    |

Primary  
Transmission Line

New Transmission Line

| Section                     | Question                                  | Response          |
|-----------------------------|---|-------------------|
| New Transmission Line Costs | Use                                       | Primary (Main)    |
|                             | Description of Use                        | N/A               |
|                             | Change Type                               | Purchase New      |
|                             | Is this a request for upgraded equipment? | Yes               |
|                             | Type                                      | Rigid             |
|                             | Diameter                                  | 8 3/16 inches     |
|                             | Other Diameter                            | N/A               |
|                             | Segment Length                            | Broadband         |
|                             | Other Segment Length                      | N/A               |
|                             | Number of parallel runs                   | 1                 |
|                             | Length                                    | 1022 feet per run |
|                             | Justification for New Transmission Line   | Shared with WSAZ  |

Primary  
Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

**Interim**  
**Transmission Line**

**New Transmission Line**

| Section                            | Question                                | Response         |
|------------------------------------|---|------------------|
| <b>New Transmission Line Costs</b> | Use                                     | Interim          |
|                                    | Description of Use                      | N/A              |
|                                    | Change Type                             | Purchase New     |
|                                    | Type                                    | Rigid            |
|                                    | Diameter                                | 6 1/8 inches     |
|                                    | Segment Length                          | Broadband        |
|                                    | Other Segment Length                    |                  |
|                                    | Number of parallel runs                 | 1                |
|                                    | Length                                  | 960 feet per run |
|                                    | Justification for New Transmission Line | Shared with WSAZ |

**Interim**  
**Transmission Line**

**Other Transmission Line Expenses Not Listed**

Information not provided.

**Tower  
Equipment  
And  
Rigging  
Costs**

| Section                                  | Question  | Response |
|--|---|----------|
| Tower Equipment or Rigging Costs Changes | Do you have tower equipment or rigging costs changes? | Yes      |

**Primary  
Tower**

**Existing Tower**

| Section  | Question  | Response          |
|--|---|-------------------|
| Existing Tower Description                         | Type of change  | Modify Existing   |
|  | Tower Use   | Primary (Main)    |
|  | Description of Use                                      | N/A               |
|  | Ownership   | Leased            |
|  | Is this tower consider Complex?                         | No                |
|  | Is this tower currently shared with any other stations? | Yes               |
|  | One or more FM, AM or TV radio broadcaster(s)           | Yes               |
|  | Others Types of Users                                   | Yes               |
|  | Is tower documented for structural analysis?            | Yes               |
|  | Is tower compliant with Rev G?                          | No                |
| Existing Tower Structure Registration              | Do you have a tower registration number?                | No                |
|  | ASR Number  |                   |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83)  | 38° 30' 21.1" N-  |
|  | Longitude (NAD83)                                       | 082° 12' 32.3" W- |
|  | Overall Structure Height                                | 1159.11 feet      |
|  | Support Structure Height                                | 1154.84 feet      |
|  | Ground Elevation Above Mean Sea Level (AMSL)            | 971.77 feet       |
|  |   |                   |

|                  |   |
|------------------|---|
| Structure Type   | GTOWER -<br>Guyed<br>Structure Used<br>for<br>Communication<br>Purposes |
| Tower Owner      | Nexstar<br>Broadcasting,<br>Inc.  |
| Date Constructed | 07/07/2015  |

**FM, AM or TV radio  
broadcasters. Facility ID's,  
Call Signs and Services of  
other broadcast stations with  
whom the tower is shared**

| Facility ID | Call Sign | Service |
|-------------|-----------|---------|
| 23342       | WOWK-TV   | DTV     |

#### Other Types of Users

| Users         |
|---------------|
| Amateur Radio |

#### Primary Tower

#### Tower Modification Costs

| Section              | Question   | Response                          |
|----------------------|--|-----------------------------------|
| Engineering Study    | Please what type of engineering study is required, if any: | Study needed for documented tower |
| Tower Reinforcements | Please select whether tower reinforcements are needed:     | Major Reinforcements needed       |

#### Primary Tower

#### Tower Rigging Costs

| Section             | Question      | Response |
|---------------------|---------------|----------|
| Tower Rigging Costs | Complex Tower | N/A      |

|   |                                   |    |
|---|-----------------------------------|----|
| <b>Helicopter Services<br/>Required</b> | Are helicopter services required? | No |
|---|-----------------------------------|----|

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Information not provided.

**Outside  
Professional**

| Section   | Question   | Response           |
|---|--|--------------------|
| <b>Services Costs<br/>Outside Project<br/>Management Services</b> | Do you require outside project management services?                          | Yes                |
|   | Number of Hours  | 900                |
|   | Explanation  | Strategic Support. |
| <b>Outside RF consulting<br/>Engineering Services</b>             | Perform engineering study for new channel assignment and antenna development | Yes                |
|   | Prepare engineering section of Form FCC Construction Permit Application      | Yes                |
|   | For Auxiliary Facility   | No                 |
|   | For Main Facility  | Yes                |
|   | Prepare engineering section of Form FCC License to Cover Application         | Yes                |
|   | For Auxiliary Facility   | No                 |
|   | For Main Facility  | Yes                |
|   | Prepare request for Special Temporary Authority                              | Yes                |
|   | Quantity   | 1                  |
|   | Do you have Distributed Transmission System engineering services?            | N/A                |
|   | Critical Facility  | N/A                |
|   | Terrain-Shielded Facility  | N/A                |
| <b>Attorney and Other<br/>Outside Consulting<br/>Services</b>     | Prepare and file Form FCC Construction Permit Application                    | Yes                |
|   | For Auxiliary Facility   | No                 |
|   | For Main Facility  | Yes                |
|   | Prepare and file Form FCC License to Cover Application                       | Yes                |
|   | For Auxiliary Facility   | No                 |
|   | For Main Facility  | Yes                |



|                                      |  |     |
|--------------------------------------|--|-----|
|                                      | Prepare request for Special Temporary Authority  | Yes |
|                                      | Quantity   | 1   |
|                                      | NEPA Section 106 environmental review  | No  |
|                                      | Environmental Assessment   | No  |
|                                      | ASR Modification   | Yes |
|                                      | FAA Consultation (including preparation of FAA Form 7460)                                  | Yes |
|                                      | Negotiation of Lease and other Matter for Shared Locations                                 | No  |
|                                      | Prepare or Review FCC Form 399 for Reimbursement   | Yes |
|                                      | Address transition timing and coordination issues w/ other stations and wireless providers | Yes |
| <b>RF Field Engineering Services</b> | Comprehensive coverage verification via field study  | No  |
|                                      | RF exposure measurements   | No  |
|                                      | Additional Field Engineering Service   | No  |
|                                      | Number of Days   | N/A |
|                                      | Justification  | N/A |

**Outside Professional Services Costs**      **Other Professional Services Expenses Not Listed**

If wireless is not provided.

## Other Expenses

| Section                             | Question   | Response |
|-------------------------------------|--|----------|
| <b>AM Pattern Disturbance</b>       | Is an Impact Study needed?   | No       |
|                                     | Is Remediation needed?   | No       |
| <b>Facility Expenses</b>            | Name   | N/A      |
|                                     | Other Distributed Transmission System Expenses Not listed  | N/A      |
|                                     | Name   | N/A      |
|                                     | Is Notification of a Medical Facility required as a result of DTV broadcasting?                                      | Yes      |
| <b>Permit and Filing Costs</b>      | Local Zoning   | No       |
|                                     | Non-zoning permits   | Yes      |
|                                     | BLM or NFS Coordination  | No       |
|                                     | FCC Construction Permit Minor Change   | No       |
|                                     | FCC License to Cover Application   | Yes      |
|                                     | FCC Special Temporary Authority Application  | Yes      |
| <b>Other Miscellaneous Expenses</b> | Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?        | Yes      |
|                                     | Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs? | Yes      |
|                                     | Does this relocation require Equipment Storage?  | Yes      |
|                                     | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?     | Yes      |
|                                     | Does this relocation require MVPD Notification of a Channel Change?  | Yes      |

|                       |   |
|-----------------------|---|
| <b>Other Expenses</b> | <b>Other Expenses Not Listed</b><br>Information not provided. |
|-----------------------|---|

## Cost Information

### Transmitters

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

| Description   | Predetermined Cost Estimate | Estimated Cost        | Estimated Cost Justification  | Actual Cost           | Actual Justification |
|---|-----------------------------|-----------------------|---|-----------------------|----------------------|
| <b>Interim Transmitter ULXTE-30</b>   | <b>\$859,724.05</b>         | <b>\$738,347.59</b>   |   | <b>\$612,389.08</b>   |                      |
| UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW  | \$684,000.00                | \$562,623.54          | N/A   | \$545,935.80          | N/A                  |
| Other -- HVAC Service Type: C Size:20 (Other)   | <i>\$44,806.50</i>          | \$44,806.50           | 20 ton split system shared cost with WSAZ. Please see Maynard C. Smith Construction Quote WQCW-HVACRev1 | \$44,806.50           | N/A                  |
| Ice Bridge  | <i>\$6,917.55</i>           | \$6,917.55            | Steel Products Quote #003   | N/A                   | N/A                  |
| Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors. | <i>\$124,000.00</i>         | \$124,000.00          | see Justifying Quote WQCW Whitt Meadows Electrical Quote # 264  | \$21,646.78           | N/A                  |
| <b>Primary Transmitter ULXTED-100</b>   | <b>\$2,115,187.22</b>       | <b>\$2,107,587.22</b> |   | <b>\$1,728,174.05</b> |                      |

|   |                       |                |   |                |   |
|---|-----------------------|----------------|---|----------------|---|
| Move Gen Set  | <b>\$10,550.00</b>    | \$10,550.00    | Cummins Quote<br>2260000000372075   | N/A            | N |
| Pad for Heat Exchangers                             | <b>\$74,256.50</b>    | \$74,256.50    | 1/2 the cost paid by WQCW. See revised quote WQCW-SOG101rev3                                    | \$74,256.50    | N |
| Gen Set Pad   | <b>\$29,600.00</b>    | \$29,600.00    | Justifying Quote - WQCW Generator Pad - Rev 2   | \$0.00         | N |
| Ice Bridge Gen Set                                  | <b>\$15,900.00</b>    | \$15,900.00    | N/A   | N/A            | N |
| Transmitter remote control                          | <b>\$2,838.00</b>     | \$2,838.00     | BGS quote 509404  | N/A            | N |
| Ice Bridge Building Interconnect                    | <b>\$12,250.00</b>    | \$12,250.00    | Maynard C Smith Construction Quote #IceBridge Rev 2; Maynard C Smith Construction Invoice 19-14 | \$12,250.00    | N |
| UHF - Liquid Cooled Solid State Transmitter 63.4 kW | <b>\$1,792,872.72</b> | \$1,792,872.72 | GatesAir quote GA-00022572  | \$1,619,160.65 | N |
| Service entrance 3 phase/800 amp/208 volt           | \$14,400.00           | \$13,700.00    | N/A   | N/A            | N |
| Switchgear - industrial 800 amp                     | \$38,200.00           | \$36,300.00    | N/A   | \$22,506.90    | N |
| 4" Rigid Conduit and Wiring (Cost per foot)         | \$101,000.00          | \$96,000.00    | N/A   | N/A            | N |
| Transfer Switch                                     | <b>\$23,320.00</b>    | \$23,320.00    | N/A   | N/A            | N |
| <b>Sub-total</b>                                    | \$2,974,911.27        | \$2,845,934.81 | N/A   | \$2,340,563.13 | N |

|                              |                |                |     |                |   |
|------------------------------|----------------|----------------|-----|----------------|---|
| <b>Total for all systems</b> | \$6,226,108.59 | \$4,883,110.39 | N/A | \$3,015,433.39 | N |
|------------------------------|----------------|----------------|-----|----------------|---|

## Components

| Actual Information  |  |
|---|--|
| Description   | File Name  |
| UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW  | <p><b>Component Description:</b> ULXTE-30 Transmitter per Quote Q-76788</p> <p><b>Amount:</b> \$42,785.12</p> <p><b>Component Description:</b> Interim Transmitter</p> <p><b>Amount:</b> \$398,324.96</p> <p><b>Component Description:</b> ULXTE-30 Transmitter</p> <p><b>Amount:</b> \$104,825.72</p> |
| Other -- HVAC Service Type: C Size:20 (Other)   | <p><b>Component Description:</b> Quote 04a: WQCW Transmitter HVAC101Rev1</p> <p><b>Amount:</b> \$44,806.50</p>   |
| Ice Bridge  | Information not provided.  |
| Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors. | <p><b>Component Description:</b> Hours labor</p> <p><b>Amount:</b> \$21,646.78</p>   |
| Move Gen Set  | Information not provided.  |

|   |   |   |
|---|---|---|
| Pad for Heat Exchangers                             | <b>Component Description:</b><br><b>Amount:</b> | Quote #02a<br>WQCW-<br>SOG101Rev5<br>\$74,256.50      |
| Gen Set Pad   | <b>Component Description:</b><br><b>Amount:</b> | Quote #5<br>Generator Pad -<br>Rev 2<br>\$29,600.00   |
| Ice Bridge Gen Set                                  | Information not provided.                       |   |
| Transmitter remote control                          | Information not provided.                       |   |
| Ice Bridge Building Interconnect                    | <b>Component Description:</b><br><b>Amount:</b> | Quote #03a<br>WQCW Ice Bridge<br>Rev 3<br>\$12,250.00 |
| UHF - Liquid Cooled Solid State Transmitter 63.4 kW | <b>Component Description:</b><br><b>Amount:</b> | A. Transmitter<br>\$387,559.85                        |
|   | <b>Component Description:</b><br><b>Amount:</b> | ULXTE-100<br>Primary Transmitter<br>\$1,231,600.80    |
| Service entrance 3 phase /800 amp/208 volt          | Information not provided.                       |   |
| Switchgear - industrial 800 amp                     | <b>Component Description:</b><br><b>Amount:</b> | HOURS LABOR-<br>JOHN M.-2/1/19<br>\$22,506.90         |
| 4" Rigid Conduit and Wiring (Cost per foot)         | Information not provided.                       |   |
| Transfer Switch                                     | Information not provided.                       |   |





## Cost Information

### Antennas

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

| Description   | Predetermined Cost Estimate | Estimated Cost      | Estimated Cost Justification   | Actual Cost        | Actual Cost Justification |
|---|-----------------------------|---------------------|--|--------------------|---------------------------|
| <b>Interim Antenna SBB-24C170</b>   | <b>\$226,106.32</b>         | <b>\$169,026.32</b> |  | <b>\$79,393.18</b> |                           |
| UHF â€œBroadband Panel, Side Mount Auxiliary /Interim, 546 horizontally polarized | <i>\$75,635.63</i>          | \$75,635.63         | THIS IS THE CORRECTED INTERIM ANTENNA CATEGORY, ESTIMATED COST PER DTVPROS QUOTE JEHQ 1487 - 50% split with WSAZ | \$37,817.81        | N/A                       |
| Sweep test of existing antenna  | \$6,730.00                  | \$3,200.00          | WQCW's half of the cost split with WSAZ  | \$2,560.00         | N/A                       |
| New combiner, cost per channel (without antenna)                                  | \$84,200.00                 | \$50,000.00         | WQCW's half of the shared combiner   | \$16,324.68        | N/A                       |
| Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)       | \$13,700.00                 | \$6,500.00          | WQCW's half of the cost  | N/A                | N/A                       |

|   |                     |                     |   |                     |                                    |
|---|---------------------|---------------------|---|---------------------|------------------------------------|
| Side mount brackets for high power antennas (if not included in antenna base cost)                                  | \$23,150.00         | \$11,000.00         | WQCW's half of the shared antenna brackets  | N/A                 | N/A                                |
| UHF – Broadband Panel, Side Mount Auxiliary /Interim, 530 horizontally polarized                                    | <b>\$22,690.69</b>  | \$22,690.69         | ***System Notice: Estimate adjusted and locked because line has been superseded. ***WCQW's half of the cost   | \$22,690.69         | Please do not upload invoices here |
| <b>Primary Antenna PEPSIL60D</b>  | <b>\$877,880.00</b> | <b>\$371,685.09</b> |   | <b>\$223,210.85</b> |                                    |
| Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)  | \$18,950.00         | \$9,000.00          | WQCW's half of the cost   | N/A                 | N/A                                |
| UHF - High Power Top Mount (200-1000 kW), Two Station broadband panel antenna, elliptically or circularly polarized | \$768,000.00        | \$254,927.00        | WQCW's half of the shared antenna with WSAZ per DTVPros Quote JEHQ 1484, WQCW's half of the shared custom index plate with WSAZ per Electronics Research, INC proposal 20181106-779 | \$179,379.20        | N/A                                |

|  |                |                |   |                |     |
|--|----------------|----------------|---|----------------|-----|
| Sweep test of existing antenna                   | \$6,730.00     | \$3,200.00     | Estimated cost split with WSAZ per DTVPros Quote JEHQ 1487 - 6,400 divided evenly between the two stations. | \$2,560.00     | N/A |
| New combiner, cost per channel (without antenna) | \$84,200.00    | \$104,558.09   | WQCW's half of the cost of Q-76838 minus cost of retuning (section 3 of Q-76838)                            | \$41,271.65    | N/A |
| <b>Sub-total</b>                                 | \$1,103,986.32 | \$540,711.41   | N/A   | \$302,604.03   | N/A |
| <b>Total for all systems</b>                     | \$6,226,108.59 | \$4,883,110.39 | N/A   | \$3,015,433.39 | N/A |

## Components

| Actual Information   |  |
|--|--|
| Description  | File Name  |
| UHF " Broadband Panel, Side Mount Auxiliary /Interim, 546 horizontally polarized | <div> <b>Component Description:</b> UHF - BROADBAND PANEL, SIDE MOUNT AUX /INTERIM </div> <div> <b>Amount:</b> \$18,908.91 </div> <div> <b>Component Description:</b> Interim Antenna </div> <div> <b>Amount:</b> \$18,908.90 </div> |

|  |   |
|--|---|
| Sweep test of existing antenna   | <div> <b>Component Description:</b> WQCW-280-Sweep test Interim Antenna</div> <div> <b>Amount:</b> \$800.00</div>                             |
|  | <div> <b>Component Description:</b> WQCW-Sweep Test Interim Antenna</div> <div> <b>Amount:</b> \$800.00</div>                                 |
|  | <div> <b>Component Description:</b> Sweep Test</div> <div> <b>Amount:</b> \$960.00</div>  |
| New combiner, cost per channel (without antenna)                                   | <div> <b>Component Description:</b> Interim Channel Combiner</div> <div> <b>Amount:</b> \$16,324.68</div>                                     |
|  | <div> <b>Component Description:</b> Interim combiner (70% payment of Quote Q-77110 sec. 1 and 4)</div> <div> <b>Amount:</b> \$31,856.01</div> |
| Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)        | Information not provided.   |
| Side mount brackets for high power antennas (if not included in antenna base cost) | Information not provided.   |
| UHF – Broadband Panel, Side Mount Auxiliary /Interim, 530 horizontally polarized   | <div> <b>Component Description:</b> Interim Antenna</div> <div> <b>Amount:</b> \$22,690.69</div>  |
| Elbow complex, broadband, at antenna input, per 8 3 /16. feedline (if needed)      | Information not provided.   |

|  |  |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
|--|--|-------------------------------|---|----------------|-------------|-------------------------------|---|----------------|------------|-------------------------------|----------------------------|----------------|-------------|-------------------------------|---------------------|----------------|-------------|
| <p>UHF - High Power Top Mount (200-1000 kW), Two Station broadband panel antenna, elliptically or circularly polarized</p> | <table> <tr> <td data-bbox="710 168 1013 212"><b>Component Description:</b></td><td data-bbox="1157 168 1412 324">UHF-HIGH POWER TOP MOUNT (200-1000KW)</td></tr> <tr> <td data-bbox="710 324 1013 369"><b>Amount:</b></td><td data-bbox="1157 324 1412 369">\$55,431.00</td></tr> <tr> <td data-bbox="710 470 1013 515"><b>Component Description:</b></td><td data-bbox="1157 470 1412 515">Antenna Mount</td></tr> <tr> <td data-bbox="710 515 1013 560"><b>Amount:</b></td><td data-bbox="1157 515 1412 560">\$2,000.00</td></tr> <tr> <td data-bbox="710 649 1013 694"><b>Component Description:</b></td><td data-bbox="1157 649 1412 728">UHF High Power Top Mount</td></tr> <tr> <td data-bbox="710 728 1013 772"><b>Amount:</b></td><td data-bbox="1157 728 1412 772">\$55,431.00</td></tr> <tr> <td data-bbox="710 862 1013 907"><b>Component Description:</b></td><td data-bbox="1157 862 1412 940">New Primary Antenna</td></tr> <tr> <td data-bbox="710 940 1013 985"><b>Amount:</b></td><td data-bbox="1157 940 1412 985">\$66,517.20</td></tr> </table> | <b>Component Description:</b> | UHF-HIGH POWER TOP MOUNT (200-1000KW)   | <b>Amount:</b> | \$55,431.00 | <b>Component Description:</b> | Antenna Mount                           | <b>Amount:</b> | \$2,000.00 | <b>Component Description:</b> | UHF High Power Top Mount   | <b>Amount:</b> | \$55,431.00 | <b>Component Description:</b> | New Primary Antenna | <b>Amount:</b> | \$66,517.20 |
| <b>Component Description:</b>  | UHF-HIGH POWER TOP MOUNT (200-1000KW)  |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
| <b>Amount:</b>   | \$55,431.00  |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
| <b>Component Description:</b>  | Antenna Mount  |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
| <b>Amount:</b>   | \$2,000.00   |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
| <b>Component Description:</b>  | UHF High Power Top Mount   |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
| <b>Amount:</b>   | \$55,431.00  |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
| <b>Component Description:</b>  | New Primary Antenna  |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
| <b>Amount:</b>   | \$66,517.20  |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
| <p>Sweep test of existing antenna</p>  | <table> <tr> <td data-bbox="710 1120 1013 1164"><b>Component Description:</b></td><td data-bbox="1157 1120 1412 1232">WQCW-210-Sweep test New Primary Antenna</td></tr> <tr> <td data-bbox="710 1232 1013 1276"><b>Amount:</b></td><td data-bbox="1157 1232 1412 1276">\$800.00</td></tr> <tr> <td data-bbox="710 1377 1013 1422"><b>Component Description:</b></td><td data-bbox="1157 1377 1412 1489">WQCW-210-Sweep test New Primary Antenna</td></tr> <tr> <td data-bbox="710 1489 1013 1534"><b>Amount:</b></td><td data-bbox="1157 1489 1412 1534">\$800.00</td></tr> <tr> <td data-bbox="710 1635 1013 1680"><b>Component Description:</b></td><td data-bbox="1157 1635 1412 1713">Sweep test Primary Antenna</td></tr> <tr> <td data-bbox="710 1713 1013 1758"><b>Amount:</b></td><td data-bbox="1157 1713 1412 1758">\$960.00</td></tr> </table>  | <b>Component Description:</b> | WQCW-210-Sweep test New Primary Antenna | <b>Amount:</b> | \$800.00    | <b>Component Description:</b> | WQCW-210-Sweep test New Primary Antenna | <b>Amount:</b> | \$800.00   | <b>Component Description:</b> | Sweep test Primary Antenna | <b>Amount:</b> | \$960.00    |                               |                     |                |             |
| <b>Component Description:</b>  | WQCW-210-Sweep test New Primary Antenna  |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
| <b>Amount:</b>   | \$800.00   |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
| <b>Component Description:</b>  | WQCW-210-Sweep test New Primary Antenna  |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
| <b>Amount:</b>   | \$800.00   |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
| <b>Component Description:</b>  | Sweep test Primary Antenna   |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
| <b>Amount:</b>   | \$960.00   |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
| <p>New combiner, cost per channel (without antenna)</p>  | <table> <tr> <td data-bbox="710 1881 1013 1926"><b>Component Description:</b></td><td data-bbox="1157 1881 1412 1960">Interim channel combiner</td></tr> <tr> <td data-bbox="710 1960 1013 2004"><b>Amount:</b></td><td data-bbox="1157 1960 1412 2004">\$41,271.65</td></tr> </table>   | <b>Component Description:</b> | Interim channel combiner                | <b>Amount:</b> | \$41,271.65 |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
| <b>Component Description:</b>  | Interim channel combiner   |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |
| <b>Amount:</b>   | \$41,271.65  |                               |   |                |             |                               |   |                |            |                               |                            |                |             |                               |                     |                |             |

Cost  
Information

Transmission Line

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

| Description   | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost    | Actual Cost Justification |
|---|-----------------------------|----------------|------------------------------|----------------|---------------------------|
| Interim Transmission Line                           | \$222,720.00                | \$150,921.02   |                              | \$60,368.39    |                           |
| Rigid Transmission Line - copper, 6 1/8" broadband  | \$222,720.00                | \$150,921.02   | WQCW's half of the cost      | \$60,368.39    | N/A                       |
| Primary Transmission Line                           | \$407,778.00                | \$193,669.00   |                              | \$119,869.19   |                           |
| Rigid Transmission Line - copper, 8 3/16" broadband | \$407,778.00                | \$193,669.00   | WQCW's half of the cost      | \$119,869.19   | N/A                       |
| Sub-total   | \$630,498.00                | \$344,590.02   | N/A                          | \$180,237.58   | N/A                       |
| Total for all systems                               | \$6,226,108.59              | \$4,883,110.39 | N/A                          | \$3,015,433.39 | N/A                       |

Components

| Actual Information Description | File Name |
|--------------------------------|-----------|
|--------------------------------|-----------|

|  |                               |  |                    |
|--|-------------------------------|--|--------------------|
| Rigid Transmission Line -<br>copper, 6 1/8" broadband  | <b>Component Description:</b> |  | Rigid Transmission |
|  | <b>Amount:</b>                |  | Line - Copper      |
|  |                               |  | \$18,865.12        |
|  | <b>Component Description:</b> |  | RIGID              |
|  | <b>Amount:</b>                |  | TRANSMISSION       |
|  |                               |  | LINE - COPPER      |
| Rigid Transmission Line -<br>copper, 8 3/16" broadband | <b>Component Description:</b> |  | Interim            |
|  | <b>Amount:</b>                |  | Transmission Line  |
|  |                               |  | \$22,638.15        |
|  | <b>Component Description:</b> |  | New Primary        |
|  | <b>Amount:</b>                |  | Transmission Line  |
|  |                               |  | \$44,950.93        |
|  | <b>Component Description:</b> |  | MACX875B-1         |
|  | <b>Amount:</b>                |  | \$37,459.13        |
|  |                               |  |                    |
|  | <b>Component Description:</b> |  | MACX8758-1         |
|  | <b>Amount:</b>                |  | \$37,459.13        |
|  |                               |  |                    |

Cost  
Information

Tower Equipment and Rigging Costs

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

| Description   | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification   | Actual Cost    | Actual Cost Justification |
|---|-----------------------------|----------------|--|----------------|---------------------------|
| Primary Tower GTOWER  | \$644,100.00                | \$576,945.00   |  | \$41,056.25    |                           |
| Structural engineering tower load study for well documented tower | \$12,600.00                 | \$12,720.00    | Includes state and local taxes   | N/A            | N/A                       |
| Major tower reinforcement /modifications                          | \$421,000.00                | \$400,000.00   | N/A  | N/A            | N/A                       |
| Tall Tower (greater than 500')                                    | \$210,500.00                | \$164,225.00   | Quote Q18-06-023b shows total cost for the project. Total cost divided between WQCW and WSAZ at 50% each | \$41,056.25    | N/A                       |
| Sub-total   | \$644,100.00                | \$576,945.00   | N/A  | \$41,056.25    | N/A                       |
| Total for all systems   | \$6,226,108.59              | \$4,883,110.39 | N/A  | \$3,015,433.39 | N/A                       |

Components

| Actual Information  |                           |
|---|---------------------------|
| Description   | File Name                 |
| Structural engineering tower load study for well documented tower | Information not provided. |



|  |   |                                       |
|--|---|---------------------------------------|
| Major tower reinforcement /modifications | Information not provided.                           |                                       |
| Tall Tower (greater than 500')           | <b>Component Description:</b><br><br><b>Amount:</b> | Tower rigging services<br>\$41,056.25 |

## Cost Information

### Outside Professional Services

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

| Description  | Predetermined Cost Estimate | Estimated Cost      | Estimated Cost Justification | Actual Cost        | Actual Cost Justification |
|--|-----------------------------|---------------------|------------------------------|--------------------|---------------------------|
| <b>Outside Professional Services</b>   | <b>\$177,120.00</b>         | <b>\$167,750.00</b> |                              | <b>\$83,682.50</b> |                           |
| FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | \$2,105.00                  | \$2,000.00          | N/A                          | N/A                | N/A                       |
| ASR modification (prepare FCC Form 854)  | \$2,105.00                  | \$2,000.00          | N/A                          | N/A                | N/A                       |
| Prepare and or review reimbursement form   | \$2,630.00                  | \$2,500.00          | N/A                          | N/A                | N/A                       |
| Address transition timing and coordination issues w/ other stations and wireless   | \$2,630.00                  | \$2,500.00          | N/A                          | \$740.00           | N/A                       |
| Perform engineering study for new channel assignment and antenna development   | \$7,360.00                  | \$7,000.00          | N/A                          | \$1,237.50         | N/A                       |

|  |              |              |     |             |     |
|--|--------------|--------------|-----|-------------|-----|
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application   | \$3,155.00   | \$3,000.00   | N/A | \$2,200.00  | N/A |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application      | \$1,580.00   | \$1,500.00   | N/A | N/A         | N/A |
| Prepare request for Special Temporary Authorization                                    | \$2,050.00   | \$1,500.00   | N/A | \$725.00    | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | \$5,260.00   | \$5,000.00   | N/A | \$196.50    | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application    | \$2,365.00   | \$2,250.00   | N/A | N/A         | N/A |
| Attorney Fees - Prepare and File request for Special Temporary Authorization           | \$3,680.00   | \$3,500.00   | N/A | N/A         | N/A |
| Project management of the transition   | \$142,200.00 | \$135,000.00 | N/A | \$78,583.50 | N/A |

|                              |                |                |     |                |     |
|------------------------------|----------------|----------------|-----|----------------|-----|
| <b>Sub-total</b>             | \$177,120.00   | \$167,750.00   | N/A | \$83,682.50    | N/A |
| <b>Total for all systems</b> | \$6,226,108.59 | \$4,883,110.39 | N/A | \$3,015,433.39 | N/A |

## Components

| <b>Actual Information</b>  |  |
|--|--|
| <b>Description</b>   | <b>File Name</b>   |
| FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | Information not provided.  |
| ASR modification (prepare FCC Form 854)  | Information not provided.  |
| Prepare and or review reimbursement form   | Information not provided.  |
| Address transition timing and coordination issues w/ other stations and wireless   | <div> <b>Component Description:</b> </div> <div> <b>Amount:</b> </div> <div> Review linked set information for WQCW<br/>\$740.00 </div>  |
| Perform engineering study for new channel assignment and antenna development   | <div> <b>Component Description:</b> </div> <div> <b>Amount:</b> </div> <div> Consulting Engineer<br/>\$425.00 </div> <div> <b>Component Description:</b> </div> <div> <b>Amount:</b> </div> <div> Perform engineering study for new channel assignment<br/>\$812.50 </div> |

|   |  |                               |   |                |          |                               |  |                |          |                               |                   |                |            |
|---|--|-------------------------------|---|----------------|----------|-------------------------------|--|----------------|----------|-------------------------------|-------------------|----------------|------------|
| <p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>   | <table> <tr> <td data-bbox="707 174 1015 208"><b>Component Description:</b></td><td data-bbox="1147 174 1366 443">support response to review of reimbursement form 399 provide summaries of additional antenna configurations</td></tr> <tr> <td data-bbox="707 454 815 488"><b>Amount:</b></td><td data-bbox="1147 454 1246 488">\$375.00</td></tr> <tr> <td data-bbox="707 595 1015 629"><b>Component Description:</b></td><td data-bbox="1147 595 1374 819">Provide FCC contour and Longley-Rice predicted coverage maps regarding pre-auction Ch-17</td></tr> <tr> <td data-bbox="707 831 815 864"><b>Amount:</b></td><td data-bbox="1147 831 1246 864">\$400.00</td></tr> <tr> <td data-bbox="707 972 1015 1005"><b>Component Description:</b></td><td data-bbox="1147 972 1366 1005">RF Consulting Fee</td></tr> <tr> <td data-bbox="707 1010 815 1043"><b>Amount:</b></td><td data-bbox="1147 1010 1267 1043">\$1,425.00</td></tr> </table> | <b>Component Description:</b> | support response to review of reimbursement form 399 provide summaries of additional antenna configurations | <b>Amount:</b> | \$375.00 | <b>Component Description:</b> | Provide FCC contour and Longley-Rice predicted coverage maps regarding pre-auction Ch-17 | <b>Amount:</b> | \$400.00 | <b>Component Description:</b> | RF Consulting Fee | <b>Amount:</b> | \$1,425.00 |
| <b>Component Description:</b>   | support response to review of reimbursement form 399 provide summaries of additional antenna configurations  |                               |   |                |          |                               |  |                |          |                               |                   |                |            |
| <b>Amount:</b>  | \$375.00   |                               |   |                |          |                               |  |                |          |                               |                   |                |            |
| <b>Component Description:</b>   | Provide FCC contour and Longley-Rice predicted coverage maps regarding pre-auction Ch-17   |                               |   |                |          |                               |  |                |          |                               |                   |                |            |
| <b>Amount:</b>  | \$400.00   |                               |   |                |          |                               |  |                |          |                               |                   |                |            |
| <b>Component Description:</b>   | RF Consulting Fee  |                               |   |                |          |                               |  |                |          |                               |                   |                |            |
| <b>Amount:</b>  | \$1,425.00   |                               |   |                |          |                               |  |                |          |                               |                   |                |            |
| <p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>      | <p>Information not provided.</p>   |                               |   |                |          |                               |  |                |          |                               |                   |                |            |
| <p>Prepare request for Special Temporary Authorization</p>                                    | <table> <tr> <td data-bbox="707 1375 1015 1408"><b>Component Description:</b></td><td data-bbox="1147 1375 1358 1487">Develop technical parameters for interim antenna</td></tr> <tr> <td data-bbox="707 1498 815 1532"><b>Amount:</b></td><td data-bbox="1147 1498 1246 1532">\$725.00</td></tr> </table>   | <b>Component Description:</b> | Develop technical parameters for interim antenna  | <b>Amount:</b> | \$725.00 |                               |  |                |          |                               |                   |                |            |
| <b>Component Description:</b>   | Develop technical parameters for interim antenna   |                               |   |                |          |                               |  |                |          |                               |                   |                |            |
| <b>Amount:</b>  | \$725.00   |                               |   |                |          |                               |  |                |          |                               |                   |                |            |
| <p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p> | <table> <tr> <td data-bbox="707 1666 1015 1700"><b>Component Description:</b></td><td data-bbox="1147 1666 1358 1778">Complete and file initial repack CP application</td></tr> <tr> <td data-bbox="707 1789 815 1823"><b>Amount:</b></td><td data-bbox="1147 1789 1246 1823">\$196.50</td></tr> </table>  | <b>Component Description:</b> | Complete and file initial repack CP application   | <b>Amount:</b> | \$196.50 |                               |  |                |          |                               |                   |                |            |
| <b>Component Description:</b>   | Complete and file initial repack CP application  |                               |   |                |          |                               |  |                |          |                               |                   |                |            |
| <b>Amount:</b>  | \$196.50   |                               |   |                |          |                               |  |                |          |                               |                   |                |            |
| <p>Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application</p>     | <p>Information not provided.</p>   |                               |   |                |          |                               |  |                |          |                               |                   |                |            |

|  |   |   |
|--|---|---|
| Attorney Fees - Prepare and File request for Special Temporary Authorization | Information not provided.                       |   |
| Project management of the transition   | <b>Component Description:</b><br><b>Amount:</b> | Project Management<br>\$2,221.55                          |
|  | <b>Component Description:</b><br><b>Amount:</b> | Transition Related Project Management Costs<br>\$1,500.00 |
|  | <b>Component Description:</b><br><b>Amount:</b> | Project Management<br>\$2,558.55                          |
|  | <b>Component Description:</b><br><b>Amount:</b> | Project Management<br>\$5,551.95                          |
|  | <b>Component Description:</b><br><b>Amount:</b> | Project Management<br>\$1,401.45                          |
|  | <b>Component Description:</b><br><b>Amount:</b> | Project Management<br>\$2,005.70                          |
|  | <b>Component Description:</b><br><b>Amount:</b> | Project Management<br>\$2,414.70                          |
|  | <b>Component Description:</b><br><b>Amount:</b> | Project Management<br>\$1,558.55                          |

|                               |                    |
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| <b>Component Description:</b> | Project Management |
| <b>Amount:</b>                | \$3,627.30         |

|                               |                    |
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| <b>Component Description:</b> | Project Management |
| <b>Amount:</b>                | \$28.20            |

|                               |                    |
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| <b>Component Description:</b> | Project Management |
| <b>Amount:</b>                | \$1,743.75         |

|                               |                    |
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| <b>Component Description:</b> | Project management |
| <b>Amount:</b>                | \$2,509.40         |

|                               |                    |
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| <b>Component Description:</b> | Project Management |
| <b>Amount:</b>                | \$1,829.35         |

|                               |                    |
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| <b>Component Description:</b> | Project management |
| <b>Amount:</b>                | \$2,555.15         |

|                               |                    |
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| <b>Component Description:</b> | Project Management |
| <b>Amount:</b>                | \$1,477.25         |

|                               |                    |
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| <b>Component Description:</b> | Project Management |
| <b>Amount:</b>                | \$1,609.00         |

|                               |                    |
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| <b>Component Description:</b> | Project Management |
| <b>Amount:</b>                | \$3,057.40         |

|                               |                    |
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| <b>Component Description:</b> | Project Management |
| <b>Amount:</b>                | \$1,985.40         |

|                               |                    |
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| <b>Component Description:</b> | Project Management |
| <b>Amount:</b>                | \$1,543.30         |

|                               |                     |
|-------------------------------|---------------------|
| <b>Component Description:</b> | Cost Reconciliation |
| <b>Amount:</b>                | \$1,965.45          |

|                               |                    |
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| <b>Component Description:</b> | Project Management |
| <b>Amount:</b>                | \$2,035.25         |

|                               |                    |
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| <b>Component Description:</b> | Project Management |
| <b>Amount:</b>                | \$4,696.90         |

|                               |  |
|-------------------------------|--|
| <b>Component Description:</b> | Mailing: Print and mail a two page, black and white generically addressed letter |
| <b>Amount:</b>                | \$2,877.50   |

|                               |                    |
|-------------------------------|--------------------|
| <b>Component Description:</b> | Project Management |
| <b>Amount:</b>                | \$5,317.55         |

|                               |                    |
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| <b>Component Description:</b> | Project Management |
| <b>Amount:</b>                | \$2,154.80         |

|                               |                    |
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| <b>Component Description:</b> | Project Management |
| <b>Amount:</b>                | \$3,291.45         |



|                               |                       |
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| <b>Component Description:</b> | Project<br>Management |
| <b>Amount:</b>                | \$2,813.35            |

|                               |                       |
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| <b>Component Description:</b> | Project<br>Management |
| <b>Amount:</b>                | \$2,755.65            |

|                               |                       |
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| <b>Component Description:</b> | Project<br>Management |
| <b>Amount:</b>                | \$1,728.10            |

|                               |                       |
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| <b>Component Description:</b> | Project<br>Management |
| <b>Amount:</b>                | \$2,906.30            |

|                               |                       |
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| <b>Component Description:</b> | Project<br>Management |
| <b>Amount:</b>                | \$2,874.40            |

|                               |                       |
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| <b>Component Description:</b> | Project<br>Management |
| <b>Amount:</b>                | \$1,988.85            |

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## Cost Information

### Other Expenses

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

| Description  | Predetermined Cost Estimate | Estimated Cost      | Estimated Cost Justification   | Actual Cost        | Actual Cost Justification |
|--|-----------------------------|---------------------|--|--------------------|---------------------------|
| <b>Other Expenses</b>  | <b>\$129,477.00</b>         | <b>\$120,962.15</b> |  | <b>\$67,289.90</b> |                           |
| DTV Medical Facility Notification  | \$11,550.00                 | \$3,050.15          | N/A  | N/A                | N/A                       |
| FCC Filing Fees - Form 2100 license to cover application                 | \$335.00                    | \$325.00            | N/A  | N/A                | N/A                       |
| FCC Filing Fees - Special Temporary Authorization request                | \$195.00                    | \$190.00            | N/A  | N/A                | N/A                       |
| Non-zoning permits   | <i>\$11,660.00</i>          | \$11,660.00         | N/A  | N/A                | N/A                       |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$67,237.00</i>          | \$67,237.00         | Maynard C. Smith Construction Co. quote for WQCW Demo Safety Klean Disposal Quote for WQCW | \$65,000.00        | N/A                       |
| Equipment Delivery and Handling Charges                                  | <i>\$15,900.00</i>          | \$15,900.00         | N/A  | N/A                | N/A                       |
| Equipment Storage  | <i>\$10,600.00</i>          | \$10,600.00         | N/A  | N/A                | N/A                       |

|   |                    |                |   |                |     |
|---|--------------------|----------------|---|----------------|-----|
| Develop and air announcement of upcoming channel change | <b>\$10,000.00</b> | \$10,000.00    | N/A   | \$289.90       | N/A |
| MVPD Notification of Channel Change                     | <b>\$2,000.00</b>  | \$2,000.00     | Per Estimated Cost Justification WQCW-610-MVPD Notifications v0 | \$2,000.00     | N/A |
| <b>Sub-total</b>  | \$129,477.00       | \$120,962.15   | N/A   | \$67,289.90    | N/A |
| <b>Total for all systems</b>                            | \$6,226,108.59     | \$4,883,110.39 | N/A   | \$3,015,433.39 | N/A |

## Components

| Actual Information   |   |
|--|---|
| Description  | File Name   |
| DTV Medical Facility Notification  | Information not provided.   |
| FCC Filing Fees - Form 2100 license to cover application                 | Information not provided.   |
| FCC Filing Fees - Special Temporary Authorization request                | Information not provided.   |
| Non-zoning permits   | Information not provided.   |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <div> <b>Component Description:</b> </div> <div> <b>Amount:</b> </div> <div> Quote # WQCW Demo<br/>\$65,000.00 </div> |
| Equipment Delivery and Handling Charges                                  | Information not provided.   |
| Equipment Storage  | Information not provided.   |

|   |   |   |
|---|---|---|
| Develop and air announcement of upcoming channel change | <b>Component Description:</b><br><br><b>Amount:</b> | Total Professional Services<br>\$289.90   |
| MVPD Notification of Channel Change                     | <b>Component Description:</b><br><br><b>Amount:</b> | Total Professional Services<br>\$2,000.00 |

| Cost Information      | Grand Total                 |                |                |
|-----------------------|-----------------------------|----------------|----------------|
|                       | Predetermined Cost Estimate | Estimated Cost | Actual Cost    |
| Total for all systems | \$6,226,108.59              | \$4,883,110.39 | \$3,015,433.39 |

| Reimbursement Status | Question   | Response |
|----------------------|--|----------|
|                      | The facility has ceased operating on its pre-auction channel.  | No       |
|                      | Construction of final facilities or all necessary modifications are complete.  | No       |
|                      | All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator. | No       |

| Certification | Section                                     | Question  | Response |
|---------------|---|---|----------|
|               | Submission of Estimated Expenses Statements | <p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>   |          |
|               |   | <ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.</li> </ol> |          |

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

|   |  |
|---|--|
| <p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p> |  |
| <p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>   | <p><b>Robert Folliard , III</b><br/> .<br/> <i>Assistant Secretary</i></p> <p>10/07/2019</p> |



| Certification | Section  | Question   | Response |
|---------------|--|--|----------|
|               | Submission of Actual Cost Documentation Statements | WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).  |          |
|               |  | <ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol> |          |

4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

|  |  |
|--|--|
| <p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p> |  |
| <p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>  | <p><b>Robert Folliard , III</b><br/>.<br/><i>Assistant Secretary</i></p> <p>10/07/2019</p> |

## Attachments